

Fig.1

$$\text{Degree of needle shape} = \frac{b}{a} \times 100 (\%)$$

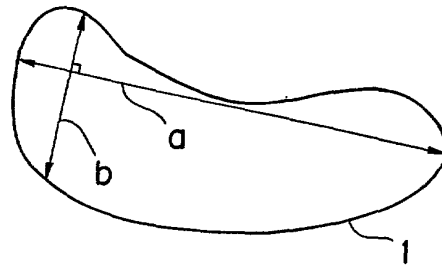
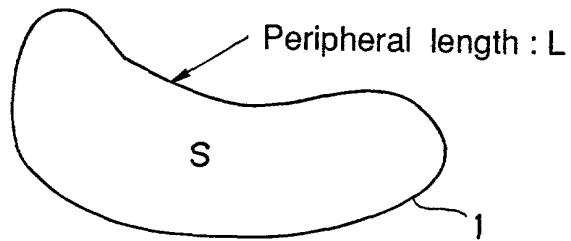


Fig.2

$$\text{Degree of roundness} = \frac{4 \cdot \pi \cdot S}{L^2} \times 100 (\%)$$



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Fig.3

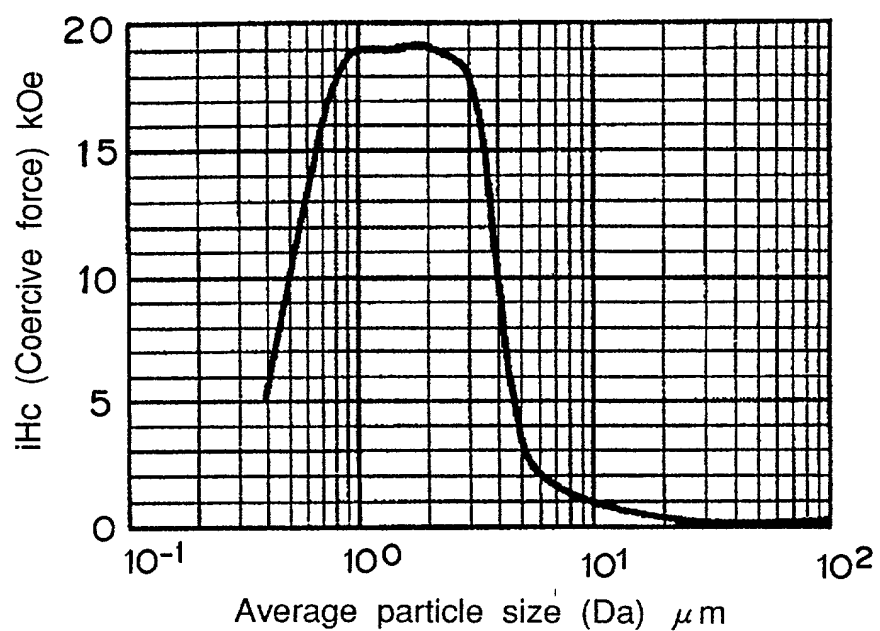
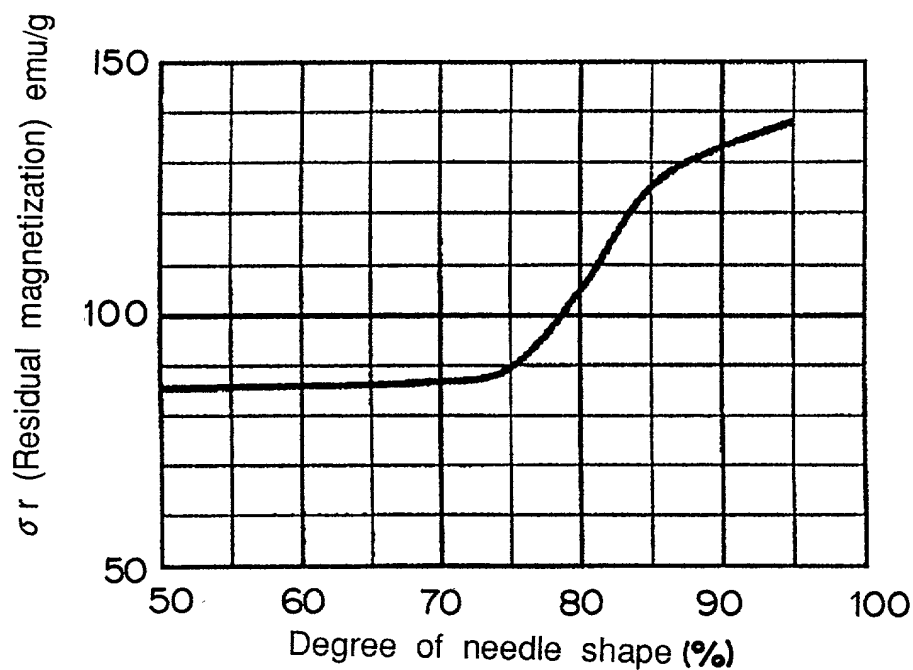


Fig.4



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Fig.5

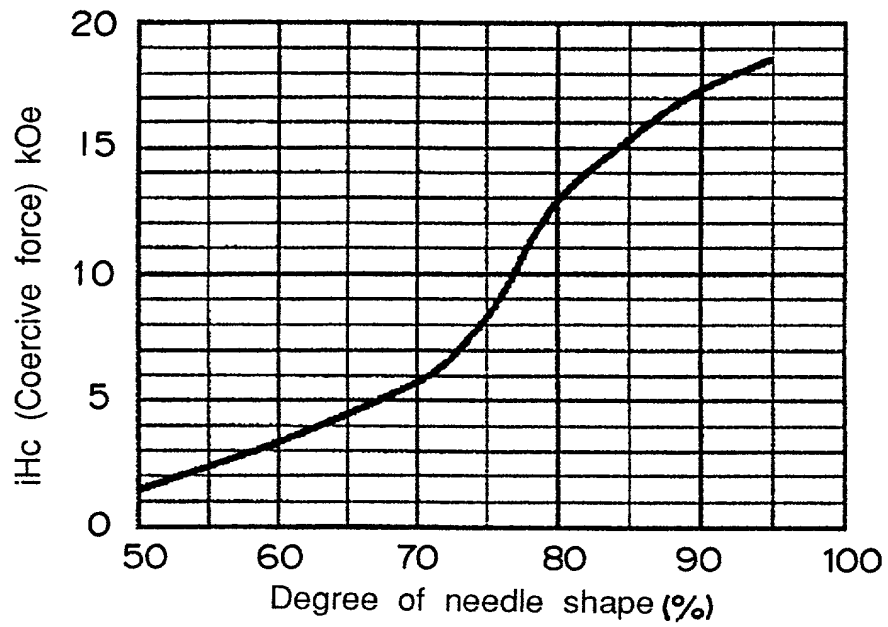


Fig.6

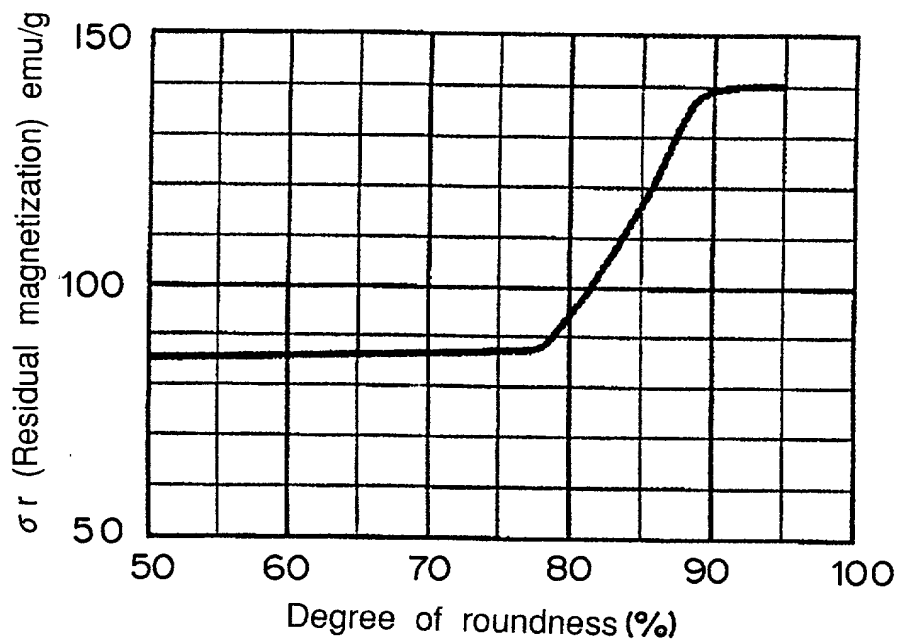


Fig.7

